

WHAT IS CLAIMED IS:

1. A data processing system comprising:
 a first data process device for subjecting first data
 to a first process based on process data, to obtain second data;
 a second data process device for subjecting the second
 data to a second process; and
 a data providing device for providing the process data,
wherein:

 the first data process device includes:
 a process unit for performing the first process to change
 the first data on the basis of the process data so that a desired
 result is obtained by the second process; and
 a data acquiring unit for acquiring the process data from
 the data providing device.

2. The data processing system according to claim 1,
wherein:

 the first data is first image data;
 the second data is second image data;
 the second data process device outputs an output image
 on the basis of the second image data, as the second process;
 the process data contains first relational data
 indicating a relation between an output image obtained from
 image data by the second process and the image data; and

the first process is a process of converting the first data into the second data on the basis of the first relational data, so that the second process outputs a desired output image.

3. The data processing system according to claim 2, wherein:

the first data process device further includes a first image outputting unit;

the process data further contains second relational data indicating a relation between an output image by the first image outputting unit and the output image by the second data process device; and

the process unit for converting the first data into third data on the basis of the second relational data so that an output image based on the third data by the second data process device is identical to an output image on the basis of the first data by the first image outputting unit.

4. The data processing system according to claim 3, wherein the second relational data are generated on the basis of the first relational data and third relational data indicating a relation between an output image obtained from image data by the first image outputting unit and the image data.

5. The data processing system according to claim 4,

wherein at least one of first data process device, the second data process device, and the data providing device includes a relational data generating unit for generating the second relational data.

6. The data processing system according to claim 5, wherein:

the second data process device is a plurality of second data process devices;

the data providing device includes:

a relational data storing unit for receiving and storing the first relational data from each of second process devices; and

a data providing unit for providing the relational data generating unit with the process data containing the stored first relational data; and

the first process device includes the relational data generating unit.

7. The data processing system according to claim 5, wherein:

the first data process device is a plurality of first data process devices;

at least one of the first process devices includes the relational data generating unit; and

the other of the first process devices request the at least one of the first process devices including the relational data generating unit, to generate the second relational data.

8. The data processing system according to claim 5, wherein:

the first data process device is a plurality of first data process devices;

the second data process device is a plurality of second data process devices;

the data providing device includes:

a relational data storing unit for receiving and storing the third relational data from each of first process devices and for receiving and storing the first relational data from each of second process devices;
and

a data providing unit for performing at least one of:

providing the second process device with the process data containing the stored third relational data, and

providing the first process device with the process data containing the stored first relational data.

9. The data processing system according to claim 6,
wherein:

the first data process device is a plurality of first
data process devices;

a part of the first data process devices include the first
outputting units;

a part of the second data process devices include second
image outputting units;

the second relational date indicates a relation between
the output image by a particular first image outputting unit
and an output image by a particular second image outputting
unit;

the relational data generating unit generates the second
relational data corresponding to each combination of the first
image outputting units and the second data outputting units,
on the basis of the stored first relational data and the stored
third relational data.

10. The data processing system according to claim 5,
wherein the data providing device receives and stores the first
relational data corresponding to the second relational data
of a higher using frequency than a predetermined reference,
from each the second process device.

11. The data processing system according to claim 5,

wherein at least one of the first relational data, the second relational data, and the third relational data is automatically updated at a predetermined timing.

12. A data processing device for subjecting first data to a first process based on processing data provided from a data providing device, to obtain second data, the data processing device comprising:

a process unit for performing the first process to change the first data on the basis of the process data so that a desired result is obtained by a second process, which is applied to the second data; and

a data acquiring unit for acquiring the process data from the data providing device.

13. The data process device according to claim 12, wherein:

the first data is first image data;

the second data is second image data;

the second process is a process of outputting an output image on the basis of the second image data;

the process data contains first relational data indicating a relation between an output image obtained from image data by the second process and the image data; and

the first process is a process of converting the first

data into the second data on the basis of the first relational data, so that the second process outputs a desired output image.

14. A data process method comprising:

providing process data

acquiring the process data;

subjecting first data to a first process based on the processing data, to obtain second data; and

subjecting the second data to a second process, wherein:

the first process changes the first data on the basis of the process data so that a desired result is obtained by the second process.

15. The data process method according to claim 14, wherein:

the first data is first image data;

the second data is second image data;

the second process is a process of outputting an output image on the basis of the second image data;

the process data contains first relational data indicating a relation between an output image obtained from image data by the second process and the image data; and

the first process is a process of converting the first data into the second data on the basis of the first relational data, so that the second process outputs a desired output image.

16. An image processing method comprising:

generating first profile data indicating a relation between a first output image obtained from first image data by a first printer and the first image data;

generating a second profile data indicating a relation between a second output image obtained from second image data by a second printer and the second image data;

acquiring the generated first profile data and the generated second profile data at a predetermined timing;

generating link data indicating between the first output image and an output image obtained from the first image data by the second printer, on the basis of the acquired first profile data and the acquired second profile data; and

image-processing image data on the basis of the link data so that an output image, which is printed by the first printer from the image data, is substantially identical to an output image, which is printed by the second printer from the image data.

17. The image processing method according to claim 16, wherein:

at least one of the generated first profile data and the generated second profile data are acquired and updated when the link data are generated; and

the link data is generated on the basis of the last updated first profile data and the last updated second profile data.

18. The image processing method according to claim 16,
wherein:

at least one of a plurality of computers makes the other computers perform the generation of the link data;

the at least one of the computers performs the image processing based on the generated link data; and

the first printer receives the processed image data from the at least one of the computers to print the received image data.

19. The image processing method according to claim 16,
wherein:

the second printer is connected with a computer;

the computer connected with the second printer performs the generation of the link data; and

the computer performs the image processing on the basis of the generated link data.

20. The image processing method according to claim 16,
wherein a predetermined server computer acquires the first profile data and the second profile data, periodically and automatically.

21. The image processing method according to claim 16, wherein a predetermined server computer acquires the first profile data and the second profile data each time a change occurs.

22. The image processing method according to claim 16, wherein:

the second printer prints image data transmitted from a computer, which is connected with the first printer; and
a predetermined server computer acquires the second profile data.

23. The image processing method according to claim 16, further comprising:

storing the first profile data by a first computer connected with the first printer;

storing the second profile data by a second computer connected with the second printer;

counting at least one of use frequency of the generated link data and number of uses of the generated link data; and

acquiring at least one of the first profile data and the second profile data corresponding to the link data, which has at least one of the use frequency and the number of uses higher than a predetermined reference value is from at least one of

the first and second computers by a server computer.

24. The image processing method according to claim 20, wherein the server computer generates the link data on the basis of the acquired second profile data and the first profile data of the first printer connected with the first computer, which causes the second printer to print the image data.